





Please type a plus sign (+) inside this box → ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08B (10-96)

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/981,280
		Filing Date	10/16/2001
		First Named Inventor	Stark, Peter Randolph Hazard
		Group Art Unit	2878
		Examiner Name	Unassigned
		Attorney Docket Number	B-28
Sheet	2	of	3

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
A.Z.	5	EBBESSEN, T. W., LEZEC, H. J., GHAEMI, H. F., THIO, T. & WOLFF, P. A. Extraordinary optical transmission through sub-wavelength hole arrays. Nature 391, 667-669 (1998).	✓
A.Z.	6	GHAEMI, H. F., THIO, T., GRUPP, D. E., EBBESSEN, T. W. & LEZEC, H. J. Surface plasmons enhance optical transmission through subwavelength holes. Phys. Rev. B 58, 6779-6782 (1998).	✓
A.Z.	7	KIM, T. J., THIO, T., EBBESSEN, T. W., GRUPP, D. E. & LEZEC, H. J. Control of optical transmission through metals perforated with subwavelength hole arrays. Opt. Lett. 24, 256-258 (1999).	✓
A.Z.	8	GRUPP, D. E., LEZEC, H. J., EBBESSEN, T. W., PELLERIN, K. M. & THIO, T. Crucial role of metal surface in enhance transmission through subwavelength apertures. App. Phys. Lett. 77, 1569-1571 (2000).	✓
A.Z.	9	SÖNNICHSEN, C., DUCH, A. C., STEININGER, G., KOCH, M. & PLESSEN, G. V. Launching surface plasmons into nanoholes in metal films. App. Phys. Lett. 76, 140-142 (2000).	✓
A.Z.	10	SANDOZ, P., GIUST, R. & TRIBILLON, G. Multi-aperture optical head for parallel scanning near field optical microscopy. Opt. Commun. 161, 197-202 (1999).	✓
A.Z.	11	GRUPP, D. E., LEZEC, H. J., THIO, T. & EBBESSEN, T. W. Beyond the Behte Limit: Tunable Enhanced Light Tranmission Through a Single Sub-Wavelength Aperture. Adv. Mater. 11, 860-862 (1999).	✓
A.Z.	12	STRELNICKER, Y. M. & BERGMAN, D. Optical transmission through metal films with a subwavelength hole array in the presence of a magnetic field. Phys. Rev. B 59, 12763-12766 (1999).	✓
A.Z.	13	RAETHER, H. Surface Plasmons on Smooth and Rough Surfaces and on Gratings (Springer-Verlag, 1988).	✓
A.Z.	14	LEZEC, H. J. ET AL. Beaming light from a subwavelength aperture. Science 297, 820-822 (2002).	✓

Examiner Signature	<i>A.Z.</i>	Date Considered	5/12/03
-----------------------	-------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet	3	of	3
-------	---	----	---

**Complete if Known**

<b>Application Number</b>	09/981,280
<b>Filing Date</b>	10/16/2001
<b>First Named Inventor</b>	Stark, Peter Randolph Hazard
<b>Group Art Unit</b>	2878
<b>Examiner Name</b>	Unassigned
<b>Attorney Docket Number</b>	B-28

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.